

INSRRUCTION MANUAL

EXCHANGE BOARD

MODEL DPO 91

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Power Requirements of this Product

Power requirements of this product have been changed and the relevant sections of the Operation Manual should be revised accordingly.

(Revision should be applied to items indicated by a check mark)

Input voltage

The input voltage of this product is _____ VAC,
and the voltage range is _____ to _____ VAC. Use the product within this range only.

Input fuse

The rating of this product's input fuse is _____ A, _____ VAC, and _____.

WARNING

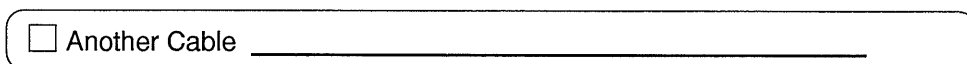
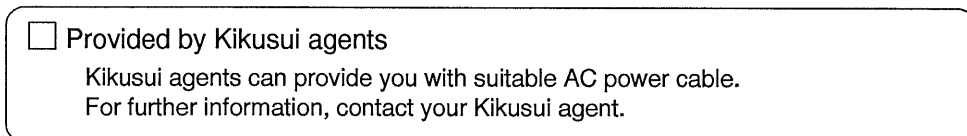
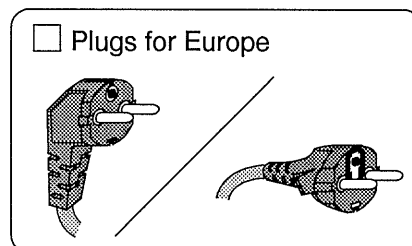
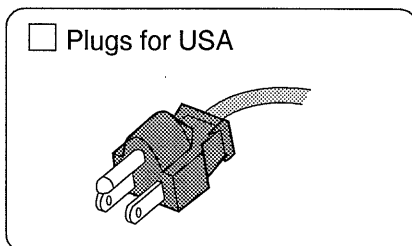
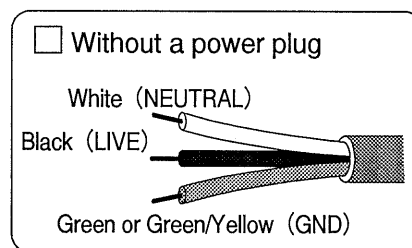
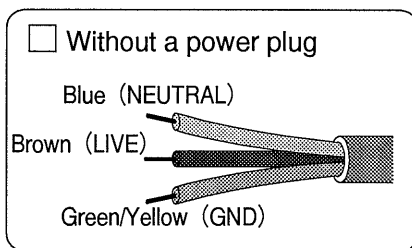
- To avoid electrical shock, always disconnect the AC power cable or turn off the switch on the switchboard before attempting to check or replace the fuse.
- Use a fuse element having a shape, rating, and characteristics suitable for this product. The use of a fuse with a different rating or one that short circuits the fuse holder may result in fire, electric shock, or irreparable damage.

AC power cable

The product is provided with AC power cables described below. If the cable has no power plug, attach a power plug or crimp-style terminals to the cable in accordance with the wire colors specified in the drawing.

WARNING

- The attachment of a power plug or crimp-style terminals must be carried out by qualified personnel.



1. GENERAL

Model DP091 Exchange Board is used as a junction device for connections between 34-wire flat cable and 26-wire flat cable. Connections of individual wires can be changed as required by means of a matrix board.

2. SPECIFICATIONS

2.1 Specifications

- Functions:
- o By means of the matrix board, connections of the pins of J1 and J2 can be changed as required.
 - o The pins of J1 and J3 are connected to mutually corresponding ones so that they can be used for signal distribution.

Dimensions: 140 W x 26 H x 125 D mm (5.51 W x 1.02 H x 4.92 D in.)

Operating ambient temperature range: 0 to 40°C

Operating ambient humidity range: 30 to 80% RH

3. OPERATION METHOD

3.1 Description of Connectors

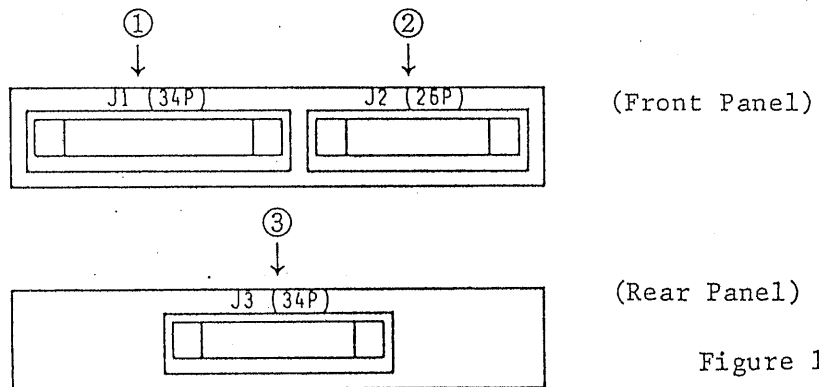


Figure 1

- ① J1 (34P): 34-wire flat cable connector
(Type 6010-034-255, manufactured by KEL CO., LTD.)
- ② J2 (26P): 26-wire flat cable connector
(Type 6010-026-255, manufactured by KEL CO., LTD.)
- ③ J3 (34P): 34-wire flat cable connector
(Type 6010-034-255, manufactured by KEL CO., LTD.)
Internally connected in parallel with J1 (34P).

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3.2 Operation Method

(1) Operation Method of Matrix Box

- A. Open the case of DP091 and take out the internal PC board.
- B. The PC board is a matrix board as shown in Figure 2. Locate on the PC board the round which is corresponding to the crossing point of the pin numbers of J1 (34P) and J2 (26P) to be connected.
- C. Short the front surface and back surface of the round by soldering a tin-plated wire (0.5 - 0.8 mm diameter) or an equivalent wire.

Example: To connect Pin No. 18 of J1 with Pin No. 14 of J2

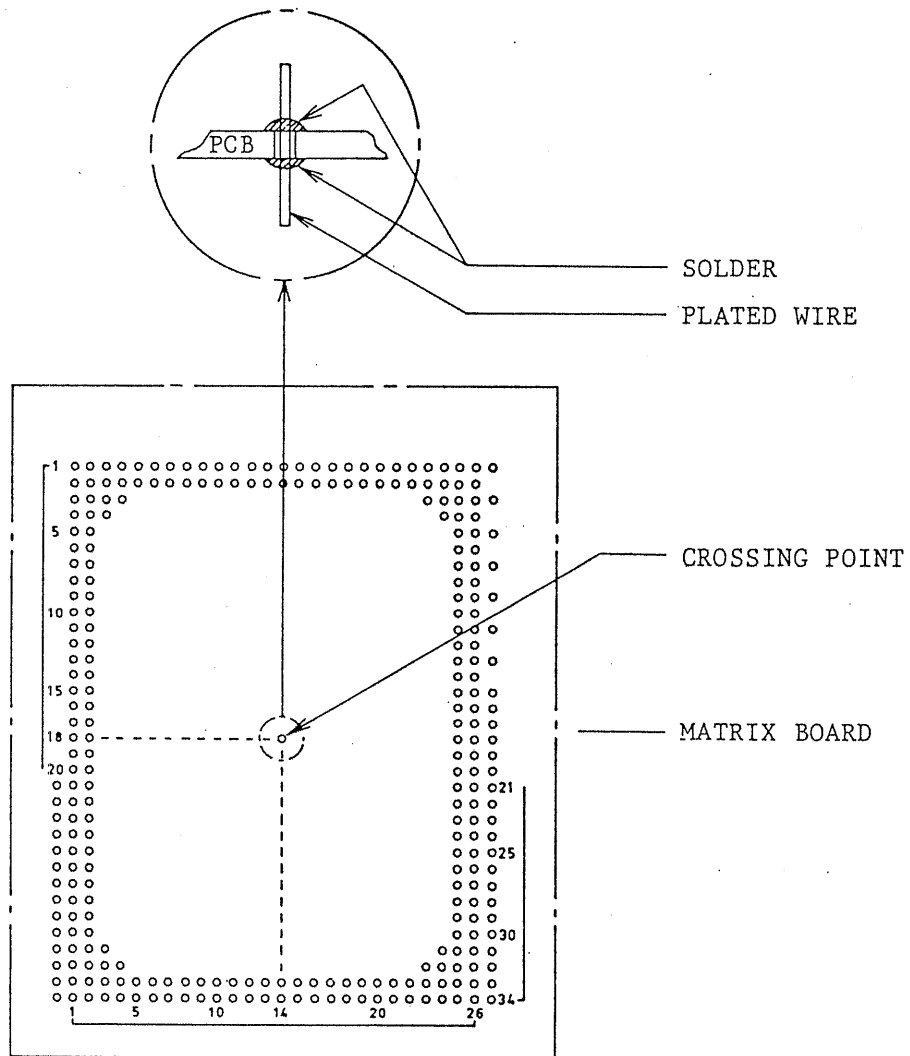
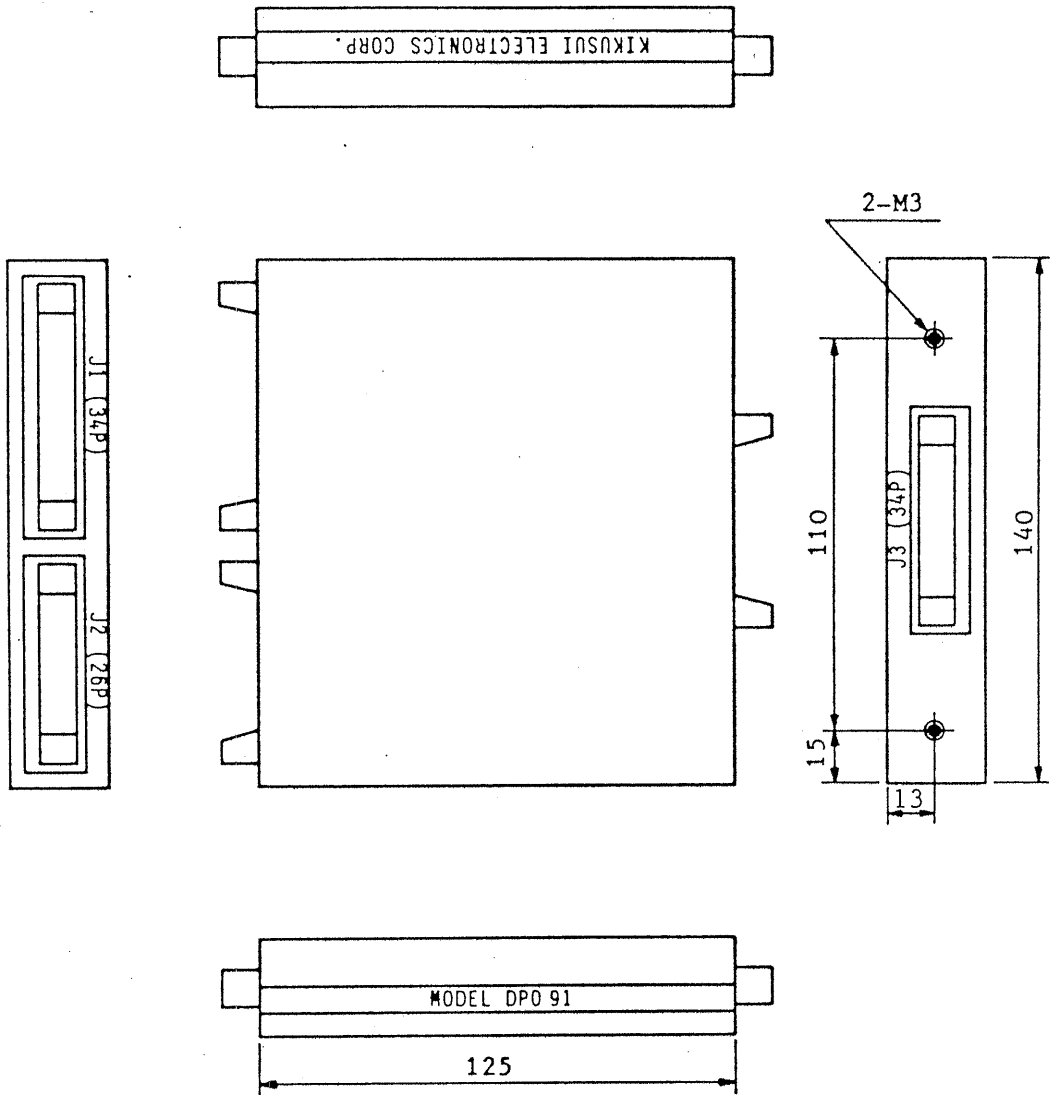


Figure 2

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EXTERNEAL VIEWS AND DIMENSIONS



Unit: mm

824400